AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the

application:

Listing of Claims

Claim 1 (currently amended): A character recognition processing device, comprising:

a photographing unit which photographs a plurality of character images using a

continuous photographing operation in which a continuous still image is captured and

automatically divided into the plurality of character images, wherein each character image

comprises a plurality of characters;

an image fetching unit, which fetches image data of the plurality of character images as

objects to be recognized, the plurality of character images being photographed for recognizing

individual characters of the plurality of characters in each character image:

a cursor information output unit, which outputs cursor position information showing a

position of a character frame, wherein the character frame includes vertical marks and horizontal

lines to be used for separating each of the individual characters of the plurality of characters in

each character image from each other;

a display that simultaneously displays a cursor, which includes the character frame, with

the continuous still image at the time of capturing the continuous still image;

a layout analyzing unit, which collates the cursor position information with the fetched

image data of the plurality of character images to analyze an arrangement of said individual

characters:

Page 2 of 11

a character cutting unit, which extracts said individual characters on the basis of the

analyzed result of the layout analyzing unit; and

a character recognizing unit, which recognizes the extracted individual characters and

converts the extracted individual characters to character information, wherein

said character frame including vertical marks and horizontal lines is displayed with the

continuous still image prior to said character recognizing unit recognizing the individual

characters.

Claim 2 (Previously presented): The character recognition processing device according

to claim 1, wherein the image fetching unit fetches the image data of the character images

respectively by a prescribed area from all of the character images; and

wherein the layout analyzing unit collates the cursor position information with the

fetched image data of each of the plurality of character images separately.

Claim 3 (Previously presented): The character recognition processing device according

to claim 1, wherein the image fetching unit fetches the image data of the character images

respectively by a prescribed area from all of the character images; and

wherein the layout analyzing unit collates the cursor position information with the image

data in which the plurality of fetched character images are connected together.

Claim 4 (Original): A portable terminal device having the character recognition

processing device according to any one of claims 1 to 3.

Page 3 of 11

Claim 5 (currently amended): A portable terminal device, comprising:

a photographing unit, which photographs a plurality of character images using a

continuous photographing operation in which a continuous still image is captured and

automatically divided into the plurality of character images, wherein each one of the plurality of

character images comprises a plurality of characters;

an image fetching unit, which fetches image data of the photographed plurality of

character images;

a cursor information output unit, which outputs cursor position information showing a

position of a character frame, wherein the character frame includes vertical marks and horizontal

lines to be used for separating each of the individual characters of the plurality of characters in

each character image:

a display that simultaneously displays a cursor, which includes the character frame, with

the continuous still image at the time of capturing the continuous still image;

a layout analyzing unit, which collates the cursor position information with the fetched

image data of the plurality of character images to analyze the arrangement of said individual

characters;

a character extracting unit, which extracts said individual characters on the basis of the

analyzed result of the layout analyzing unit; and

a character recognizing unit, which recognizes the extracted individual characters and

converts the extracted individual characters to character information, wherein

said character frame including vertical marks and horizontal lines is displayed with the

continuous still image prior to said character recognizing unit recognizing the individual

characters.

Page 4 of 11

Claim 6 (Canceled)

Claim 7 (Previously presented): The portable terminal device according to claim 5,

further comprising a recognized character display unit which displays, on said display, the

character information as a recognized result by the character recognizing unit.

Claim 8 (Original): The portable terminal device according to claim 7, wherein the

recognized character display unit individually selectively displays the character information as

the recognized result by a prescribed character unit.

Claim 9 (Original): The portable terminal device according to claim 5, further

comprising a recognized character storing unit which stores the character information as the

recognized result obtained by the character recognizing unit.

Claim 10 (Original): The portable terminal device according to claim 9, wherein the

recognized character storing unit stores the character information in a recognized character

storing area.

Claim 11 (Original): The portable terminal device according to claim 9, wherein the

recognized character storing unit registers the character information in a data base corresponding

to a type of each character information when the type of the character information is any one of a

telephone number, a mail address and a URL (Uniform Resource Location).

Page 5 of 11

Claim 12 (Previously presented): The portable terminal device according to claim 5,

further comprising a recognized character utilizing unit which utilizes the character information

as the recognized result obtained by the character recognizing unit in accordance with a type of

the character information.

Claim 13 (Previously presented): The portable terminal device according to claim 12,

wherein when the type of the character information is a telephone number, the recognized

character utilizing unit displays a transmitting screen to the telephone number.

Claim 14 (Previously presented): The portable telephone terminal device according to

claim 12, wherein when the type of the character information is a mail address, the recognized

character utilizing unit displays a preparing screen for an electronic mail to the mail address.

Claim 15 (Previously presented): The portable terminal device according to claim 12,

wherein when the type of the character information is a URL (Uniform Resource Locator), the

recognized character utilizing unit displays a network connecting screen to the URL.

Claim 16 (Previously presented): The portable terminal device according to claim 5,

wherein before the image fetching unit fetches the image data of the plurality of character

images, the image data of the plurality of character images are connected together, and

Page 6 of 11

wherein the character recognizing unit recognizes the extracted individual characters of

the image data of the connected character images to convert the image data of the connected

character images to the character information.

Claim 17 (Previously presented): The portable terminal device according to claim 5,

wherein the character recognizing unit separately recognizes each of the extracted

individual characters.

Claim 18 (Previously presented): The portable terminal device according to claim 5,

wherein the character recognizing unit has a plurality of recognizing modes that each correspond

with a type of character information; and

wherein the character recognizing unit carries out a character recognizing process

suitable for the corresponding type of character information in accordance with a preset

recognizing mode.

Claim 19 (Currently amended): A character recognition processing method performed by

a portable terminal device, comprising the steps of:

photographing, by the portable terminal device, a plurality of character images, each of

which comprises a plurality of characters, while simultaneously displaying each respective

character image together with a cursor that includes a character frame for recognizing a

character, wherein the plurality of character images are photographed using a continuous

photographing operation in which a continuous still image is captured and automatically divided

into the plurality of character images;

Page 7 of 11

fetching image data of the photographed plurality of character images;

outputting cursor position information showing the position of the character frame,

wherein the character frame includes vertical marks and horizontal lines to be used for separating

each of the individual characters of the plurality of characters in each character image;

collating the cursor position information with the fetched image data of the plurality of

character images to analyze the arrangement of said individual characters;

extracting said individual characters on the basis of the analyzed result of the

arrangement of said individual characters; and

recognizing the extracted individual characters images as the characters and converting

the extracted individual characters to character information, wherein

said outputting the character frame including vertical marks and horizontal lines with the

continuous still image is performed prior to recognizing the extracted individual character

images as characters.

Claim 20 (currently amended): A character recognition processing program in which the

respective steps defined in claim 19 are executed by a computer running a program, wherein said

program is stored within a-memory-device non-transitory computer readable medium that is

accessible by the computer.

Page 8 of 11